



Barataria Basin Landbridge Shoreline Protection Project Phase 4 (BA-27d)

Project Status

Approved Date: 2002
Project Area: 706 acres
Net Benefit After 20 Years: 334 acres
Project Type: Shoreline Protection

Cost: \$36.5 million
Status: Engineering and Design

Location

Phase 4 of the Barataria Landbridge Project begins at the intersection of Bayou Rigolettes and the Barataria Waterway in Jefferson Parish, Louisiana. It extends about 31,500 feet southward along the east bank of Bayou Rigolettes and ties in to the northern limit of Phases 1 and 2.

Problems

The Barataria Landbridge is deteriorating, slowly eroding due to increased tidal erosion. Analyses performed by the U.S. Geological Survey show that roughly 88%, or approximately 28,000 feet of the project's shoreline length, is experiencing an erosion rate of 26 feet per year.

Restoration Strategy

The project's main objective is to reduce or eliminate shoreline erosion along 31,500 feet of shoreline.

To reach this goal, 31,500 feet of shoreline protection will be necessary. Selection of a final project design will be based on the results of on-site field surveys, geotechnical investigations, reviews of alternative designs, and preliminary design analyses, including evaluation of test sections. Possible structure designs include: foreshore rock dike; foreshore rock dike with a lightweight aggregate core; rock revetment; steel sheetpile; concrete sheetpile; and/or PVC sheetpile. The final project design will incorporate "fish dips," openings in the structure that will allow the exchange of water and organisms.

The proposed project is an integral part of the Landbridge Concept. The project will be maintained for the full 20-year project life, with the effects lasting beyond.

Progress to Date

This project was selected for Phase I (engineering and design) funding at the January 2002 Breaux Act Task Force meeting. It is included as part of Priority Project List 11.



This photo illustrates the deteriorated condition of the shoreline on the Barataria Basin Landbridge.



This photo illustrates various shoreline protection features being investigated for the Barataria Basin Landbridge Shoreline Protection project.

For more project information, please contact:



Federal Sponsor:
 Natural Resources Conservation Service
 Alexandria, LA
 (318) 473-7816



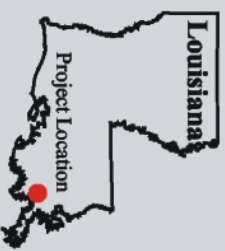
Local Sponsor:
 Louisiana Department of Natural Resources
 Baton Rouge, LA
 (225) 342-7308



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Project Boundary



Map Produced By:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station

Background Imagery:
1998 Digital Orthophoto Quarter Quadrangles
Map Date: March 10, 2002
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